

BUILDING BLOCK REPORT

Phalaenopsis sanderiana (Rchb.f.) 1882

Subgenus: *Phalaenopsis*



Phalaenopsis sanderiana

General Information:

This species is found on the south side of Mindanao Island, Philippines, in the provinces of Davao and Amboango, and from Igat, Balut, and Sarangani Islands, at 0-1500 ft. (457 m). Unlike the other species in this section, which are strongly spring flowered, *Phal. sanderiana* blooms in mid to late summer.

General Description:

This species is a pendent epiphyte. Its leaves are oblong-elliptic tapered to the conduplicate base, obtuse-rounded, green with a sometimes-purple suffusion and a silvery overlay, 27 cm long by 9 cm wide. The inflorescence is arching-erect racemes or few branched panicles to 80 cm long, the floral bracts minute, triangular,

concave, scarious to 4 mm long. Flowers are showy, membranous, white with variable degrees of pink suffusion, the callus and base of the lip marked with yellow and red. The dorsal sepal is elliptic, to elliptic-ovate, obtuse rounded to 3.5 cm long by 2.3 cm wide. The lateral sepal is obliquely ovate, obtuse, divergent to 3.5 cm wide by 2.2 cm wide. The petals are sub rhomboid, cuneate, obtuse, broadly rounded, to 3.8 cm long by 3.8 cm wide. The lip is three lobed, to 3 cm long to 4 cm wide across the expanded lateral lobes, the lateral lobes spatulate, the blade oblique, obtuse-rounded, erect-incurved forming a cylinder, the mid lobe hastate-cruciform, the basal tooth-like lobes triangular, acute, the apex notched, flanked by tendril-like flexuous appendages. The callus is uniseriate, erect, peltate, the posterior edge deeply notched in the middle, each side with one larger, taller, inner, rounded tooth and one smaller, shorter, outer, acute tooth. The column is stout and short. The pedicel and ovary are up to 4 cm long.

Botanical Varieties (if any)

Phalaenopsis sanderiana var. *marmorata* (Rchb.f.) 1883

Phalaenopsis sanderiana var. *punctata* O'Brien 1891

Phalaenopsis sanderiana var. *alba* (A.H. Kent) Stein 1892

Phalaenopsis sanderiana var. *pulcherrima* Rolfe 1911

Phalaenopsis aphrodite var. *sanderiana* (Rchb.f.) Quisumb. 1941

Phalaenopsis amabilis var. *sanderiana* (Rchb.f.) R.S. Davis 1949

Synonyms:

None

Awards:

This species has been awarded by the AOS 6 times over the period 1962 through 2082 (FCC-1; AM-3; CBM-1; CCM-1).

Hybrids:

Phalaenopsis sanderiana is important as a parent in producing modern pink, red, and lavender flowers with excellent shapes on graceful inflorescences. Using this species can extend the blooming season of hybrids and can make the hybrid more heat tolerant.

Phalaenopsis sanderiana has 119 First Generation offspring, and Total Progeny of 27,847 (through the 15th generation). This species has also been involved in creating Primary Hybrids 40 times as both the seed and pollen parent.

Phalaenopsis Sogo Yukkidian was registered in 1998 by Sogo and is a cross of *Phal.* Yukimai x *Phal.* Taisuco Kochdian. The hybrid has 178 First Generation offspring,

and 612 total progeny. The hybrid has been awarded by AOS 12 times (AM-4; HCC-1; CCE-6; CCM-1).



Phalaenopsis Sogo Yukidian

References:

Christenson, Eric, *Phalaenopsis, a Monograph*, Timber Press, Inc., 2001

Frownie, Steven A., *Moth Orchids – The Complete Guide to Phalaenopsis*, Timber Press, 2008

Orchids Plus 1.4

OrchidWiz 5.1